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सं० 29] नई दिल्ली, शनिवार, जुलाई 17, 1976 (आषाढ़ 26, 1898)
No. 29] NEW DELHI, SATURDAY, JULY 17, 1976 (ASADHA 26, 1898)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III--खण्ड 2

PART III--SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 17th July 1976

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

10th June, 1976.

- 1006/Cal/76. S. C. Dubey and D. K. Dubey. Bullock driven pump set.
- 1007/Cal/76. Security Patrols Co., Ltd. Automatically fire-extinguishing system.
- 1008/Cal/76. Kao Soap Co., Ltd. Composition for increasing yields of pulse.
- 1009/Cal/76. Combustion Engineering, Inc. Pulverizer hydraulic drive.
- 1010/Cal/76. Mayer Aktiengesellschaft. Process for the preparation of 1-(2-C β-naphthyloxy)-ethyl)-3-methylpyrazolone-(5). [Divisional date May 12, 1975].
- 1011/Cal/76. Bayer Aktiengesellschaft. Process for the preparation of 1-(2-β-naphthyloxy)-3-methylpyrazolone-(5). [Divisional date May 12, 1975].
- 1012/Cal/76. Dobfar SpA. Process for preparing 7-aminopenicillanic or 7-aminodexacetoxyccephalosporanic acid derivatives,

1013/Cal/76. Societe D'Etudes De Machines Thermiques - S.E.M.T. Improvements in or relating to a method for determining the degree of wear of an element having definite magnetic properties in sliding contact with a second element.

1014/Cal/76. S. S. Sachdeva. Heat engine using a low boiling point liquid.

11th June, 1976.

- 1015/Cal/76. R. K. Bhargava. A fluid control device.
- 1016/Cal/76. M/s. Bharat Heavy Electricals Ltd. An overload protective device for current transformers.
- 1017/Cal/76. S. C. Jain. Improved control system for slipping induction motors or synchronous induction motors.
- 1018/Cal/76. P. L. Verma. Air or desert coolers.
- 1019/Cal/76. G. K. Kabra. A compressor.
- 1020/Cal/76. Tata Engineering & Locomotive Company, Limited. Electronic regulator for magnetorque excavator. (Addition to No. 294/Cal/75).
- 1021/Cal/76. Rohm and Haas Company. Foamed thermoset articles.
- 1022/Cal/76. Tymflo Process Ltd. Process and apparatus for treating wastes by a combined activated sludge and biological filter bed.
- 1023/Cal/76. Hoechst Aktiengesellschaft. Process for preparing new hydroxypyridine carbamates. [Divisional date December 3, 1974].
- 1024/Cal/76. The Carborundum Company. Granular activated carbon manufacture from sub-bituminous coal mixed with concentrated inorganic acid without pitch.

1025/Cal/76. The Carborundum Company. Granular activated carbon manufacture from low rank bituminous coal leached with dilute inorganic acid.

1026/Cal/76. J. W. Gardner. Machine for slitting nut skins.

1027/Cal/76. West Point-Pepperell, Inc. Apparatus and method for selective multi-color dyeing of individual yarns and producing therefrom a predetermined complex design in a tufted carpet.

14th June, 1976.

1028/Cal/76. Darpex Manufacturing Company Limited. Telephone note pad holder.

1029/Cal/76. Vsesojuzny Nauchno-Issledovatel'sky Institut Legkogo I Textil'nogo Mashinostroeniya. Apparatus for open-end spinning.

1030/Cal/76. Pfizer Inc. 11-desoxy-16-aryloxy- ω -tetranor-prostaglandins.

1031/Cal/76. Shell Internationale Research Maatschappij B. V. Dehydrogenation catalyst and process.

1032/Cal/76. G. D. Societa' Per Azioni. Cyclic-type automatic machine, for the conditioning of prismatic products provided with electrically synchronized operating members.

1033/Cal/76. G. D. Societa Per Azioni. Improved existing apparatus for products, in particular cigarette packets and similar, delivered by the wrapping line of a packaging machine.

1034/Cal/76. Lucas Industries Limited. Cycle. (June 21, 1975).

1035/Cal/76. Schweitzer Engineering Works Ltd. Transfer apparatus for gripping and holding a spinning cop. 15th June, 1976.

1036/Cal/76. Societa' Italiana Telecomunicazioni Siemens S.P.A. Telesupervision system for PCM transmission systems.

1037/Cal/76. General Electric Company. Extruder and method for uniformly fluxing and blending thermoplastic materials.

1038/Cal/76. Duoroll AG. Multi-wheel roller skate.

1039/Cal/76. Klein, Schanzlin & Becker AG. Circulating pump.

1040/Cal/76. Eli Lilly and Company. A process for preparing 3- (Substituted)-2, 6-dinitroanilines.

1041/Cal/76. Union Carbide Corporation. Automatic apparatus for dispensing radiodiagnostic agents and method thereof.

1042/Cal/76. Union Carbide Corporation. Generator system.

1043/Cal/76. Union Carbide Corporation. Absorption columns for use in radioimmunoassays.

1044/Cal/76. Union Carbide Corporation. Pipettor apparatus.

1045/Cal/76. Union Carbide Corporation. Counter apparatus.

1046/Cal/76. Bayer Aktiengesellschaft. Production of synthetic fluorspar.

1047/Cal/76. P. Bruce. Improvements in or relating to anchors.

1048/Cal/76. Spie-Batignolles. A device for protecting a structure against the effects of high horizontal dynamic stresses. 16th June, 1976.

1049/Cal/76. Yaezu Honsha Co., Ltd. Processed unpolished rice and process for the production of the same. (June 20, 1975).

1050/Cal/76. Asahi Kasei Kogyo Kabushiki Kaisha. Method for the removal of aflatoxin from cereals, oil seeds and feedstuffs.

1051/Cal/76. International Business Machine Corporation. Serial printer. [Divisional date January 2, 1975].

1052/Cal/76. Svenska Aktiebolaget Bromsregulator. A slack adjuster built into a brake unit for a rail vehicle brake system.

1053/Cal/76. Marathon Oil Company. Flooding with micellar dispersions having connate water compatibility.

1054/Cal/76. International Computers Limited. Improvements in or relating to data processing systems. July 2, 1975).

1055/Cal/76. Societa' Italiana Telecomunicazioni Siemens S.P.A. Conference circuit for telephone exchanges of numerical type.

1056/Cal/76. Johnson & Johnson. Enteric coated digestive enzyme compositions.

1057/Cal/76. Chinoin Gyogyszer ES Vegyeszeti Termek Gyara RT. Process for the preparation of new malonic esters.

1058/Cal/76. Chief Controller Research & Development (General) in the Research and Development Organisation, Ministry of Defence, Government of India. Process for the preparation of water repellent cum preservative fluid.

1059/Cal/76. Bharat Heavy Electricals Ltd. A generator system for obtaining an electrical power.

1060/Cal/76. Bharat Heavy Electricals Ltd. A device.

1061/Cal/76. J. Sharan and P. Sharan. Sharan chemicals.

APPLICATION FOR PATENTS FILED AT THE (BOMBAY BRANCH).

31st May, 1976.

166/Bom/76. E. N. Contractor. A new method of fixing railway wheels and rails so as to avoid 'The drop' of the wheels at rail junctions.

167/Bom/76. P. S. Sawhney. A new technique of roof construction using concrete boxes.

168/Bom/76. K. P. Poddar. Improvements in or relating to a process and method relating to manufacture of reinforced gummed tape.

169/Bom/76. A. H. Mody. Improvements in or relating to a manufacture of reinforced braided tubing of plastic or like material.

170/Bom/76. Ahmedabad Textile Industry's Research Association. Fibre bundle strength tester.

2nd June, 1976.

171/Bom/76. Dr. D. G. Takte. A method to improve fuel efficiency in cane sugar factory.

172/Bom/76. Dr. D. G. Takke. Improvement in or relating to a method to enhance fuel efficiency in cane sugar factory.

3rd June, 1976.

173/Bom/76. T. P. Vartak. Tree guard.

4th June, 1976.

174/Bom/76. G. G. Dandekar. Improvement in file making.

175/Bom/76. Fuji-Toyuki, Ltd. Oil lubricating device.

176/Bom/76. B. Ramaswami. Converting sea water into medicinal drinking water, by blowing air through it. The proportion is that one (1) volume of sea water requires four (4) volumes of air, which when passed, converts the rough irritating salts in the sea water into soft medicinal salts, leaving no residue. The taste changes from a bitter one into a pleasant one, without any irritation. This water has got a healthy effect on human beings, animals and plants. The salt in sea water gets oxidised by the oxygen in air. There is absolutely no bad effect.

ALTERATION OF DATE.

139688.
884/Cal/75.

Ante-dated to 1st August, 1972.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 36 of the Patent Rules, 1972.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 170B+D. I.C.-C11d 1/00, 9/00. 139656.
IMPROVED DETERGENT COMPOSITIONS.

Applicant : HINDUSTAN LEVER LIMITED, AT HINDUSTAN LEVER HOUSE, 165-166, HACKBAY RECLAMATION, BOMBAY-20, MAHARASHTRA, INDIA.

Inventor : GANAPATHY SRINIVASAN.

Application No. 298/Bom/73 filed September 5, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

10 Claims. No drawings.

An enzymatic detergent powder for fabric washing comprising a detergent as herein described a proteolytic enzyme and an inorganic buffering agent as herein described present in amount such that the powder has a buffer index of at least 4.0, a total alkalinity equivalent of at least 9.0, and an in-use pH of 9.0 to 10.5 inclusive.

CLASS 129C+H. I.C.-B23b 39/02, 47/18, 5/30. 139657.
A BORING AND FACING ATTACHMENT.

Applicant & Inventor : KASTURISWAMY KANAKARAJ, 5/16, LAKSHMI COLONY, MARUDUR POST, COIMBATORE-18, TAMIL NADU, INDIA.

Application No. 139/Mas/73 filed October 10, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims.

A boring and facing attachment characterised in that it comprises an arbor one end of which is in slidable engagement with a tool-holding member and the other end of which is attachable to a machine-tool for enabling the said arbor and the said tool-holding member to be rotatably driven by the said machine-tool; a rotatable, graduated, lead screw which is incapable of linear movement, but which is threadedly engaged with the said tool-holding member and thus adapted, when rotated about its longitudinal axis, to constrain the said tool-holding member to move slidably and linearly in either direction with respect to the arbor; a first gear wheel fast-mounted on the lead screw; a toothed ring disposed around, and spaced from, said arbor, said toothed ring meshing with the first gear wheel; a freely supported and rotatable graduated feed ring having a collar loose-mounted on the arbor, the external periphery of the said collar being disposed eccentrically with respect to the toothed

ring; a second gear wheel loose-mounted on the external periphery of said collar and meshing with the said toothed ring; a movably disposed clutch which in its operating position, with the said feed ring arrested, is adapted to transmit the drive from the arbor (whenever the said arbor is rotatably driven by the machine-tool) to the second gear wheel and thence to the toothed ring and the first gear wheel, to constrain the lead screw to rotate about its longitudinal axis and thus cause the tool-holding member to move outwardly with respect to the arbor; a lever provided for bringing the clutch into its operating and non-operating positions; a stopper mounted on the tool-holding member and adapted, at the end of the traverse of the said tool-holding member, to urge itself against, and actuate, the lever, to cause the said lever to bring the clutch into its non-operating position.

CLASS 40B. I.C.-B01J 11/32, 139658.
C07C 31/04.

METHOD OF MAKING A CATALYST PRECURSOR FOR THE SYNTHESIS OF METHANOL.

Applicant : IMPERIAL CHEMICAL INDUSTRIES LIMITED, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON, S. W. 1, ENGLAND.

Inventor : BRUCE MOFFATT COLLINS.

Application No. 137/Cal/73 filed January 18, 1973.

Convention date January 21, 1972/(3007/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A method of making a catalyst precursor for the synthesis of methanol, which comprises (1) in aqueous solution reacting a water-soluble salt of zinc and/or manganese and/or magnesium and a water-soluble salt of aluminium and/or chromium, whose oxides are capable of forming together a mixed oxide having the spinel structure, with a precipitant compound whereby to form a first precipitate comprising compounds thermally decomposable to oxides, (2) separately reacting in aqueous solution a water-soluble salt of copper and optionally also of zinc with a precipitant compound whereby to form a second precipitate, and (3) mixing the two precipitates in any proportion.

CLASS 193. I.C.-C03C 27/02, 29/00. 139659.

METHOD OF MANUFACTURING A SEALED CONTACT.

Applicant : INTERNATIONAL STANDARD ELECTRIC CORPORATION, OF 320 PARK AVENUE, NEW YORK 22, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor : HELMUT BUTTEL.

Application No. 2568/Cal/73 filed November 21, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A method of manufacturing a sealed contact unit with a flat housing consisting of a plane base plate with a glass-to-metal seal and a hood-shaped cover, which unit has a flat armature fastened to the cover by an armature holding spring, which includes the following steps :

(a) the cover is located by a plurality of holes, and a pre-fabricated sub-assembly consisting of the armature and an armature holding spring is properly positioned in the inner part of said cover in relation to said holes and is thereafter secured to the cover, e.g. by welding,

(b) the base plate is located by a plurality of holes and a contact member is properly positioned on the plane inner surface of the base plate with respect to the receiving holes and is fastened to the base plate with respect to the receiving holes and is secured, e.g. by welding such that the longer side or the shorter side of said contact member is parallel to the side of the said base plate,

(c) both said cover and said base plate are located by their holes by the pins of a device, such that both said cover and said base plate will oppose each other with their inner sides,

(d) both said cover and said base plate in the position defined by said holes are moved towards each other, during which approach there may be carried out a rinsing treatment in an inert gas atmosphere, and after said cover is firmly seated on said base plate in the position defined by holes, said cover is welded to said base plate by an annular welding along the shoulder of said cover, said welding being carried out either in a chamber with a protective gas atmosphere or by the application of a protective gas stream.

CLASS 158E₁+F₃. I.C.-B61f 5/26.

139660.

AXLE SPRING SNUBBING DEVICE FOR RAILWAY CARS.

Applicant : SUMITOMO METAL INDUSTRIES LIMITED, OF 15, 5-CHOME, KITAHAMA, HIGASHI-KU, OSAKA CITY, JAPAN.

Inventor : SOICHI MATSUMIYA.

Application No. 2845/Cal/73 filed December 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An axle spring snubbing device for railway cars comprising a bore means provided in each of wing parts of an axle box, a cupshaped spring seat slidably inserted in the bore means, fitting seals secured as vertically spaced to each of the above mentioned wing parts, a lid fitted with fixing means to each fitting seat and a spring means interposed between the lid and spring seat.

CLASS 158E₁+F₃. I.C.-B61f 5/26.

139661.

AXLE SPRING SNUBBING DEVICE FOR RAILWAY CARS.

Applicant : SUMITOMO METAL INDUSTRIES LIMITED OF 15, 5-CHOME, KITAHAMA, HIGASHI-KU, OSAKA CITY, JAPAN.

Inventor : SEISUKE SHIMA.

Application No. 2846/Cal/73 filed December 31, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An axle spring snubbing device for railway cars comprising a friction surface provided on each upper side surface of a wing type axle box, an axle spring interposed between said axle box and a truck frame, a cap means mounted on the axle spring, an axle spring guide provided in the truck frame, a means of moving said cap means to said friction surface side when the axle spring is compressed and a friction means provided between said moving means and said friction surface.

CLASS 158B₃. I.C.-B61g 9/06.

139662.

RUBBER DRAFT GEAR.

Applicant : CARDWELL WESTINGHOUSE COMPANY, OF 332, SOUTH MICHIGAN AVENUE, CHICAGO, ILLINOIS 60604, UNITED STATES OF AMERICA.

Inventor : BERTIL EUGENE PETERSON.

Application No. 2379/Cal/74 filed October 31, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A rubber draft gear for application to the draft gear pocket of a railroad car frame having front and rear stops defining the front and rear ends of the draft gear pocket, said gear comprising :

a plurality of rubber spring units aligned in a stack, said units each comprising :

a planar mounting plate extending transversely of the stack and having bonded to either side of same a group of rubber bars in spaced apart, parallel relation,

with said bars of the respective plates being similarly spaced transversely of the gear and disposed to the positioned vertically when the gear is in its operative position in the pocket,

said units being respectively separated along the length of said gear by a spacer plate interposed between adjacent of said units and extending transversely of the stack.

said mounting and spacer plates being of similar quadrilateral configuration and each defining side edges that are upstanding when the gear is in its said operative position,

a front follower plate at the front end of said stack,

a rear follower plate at the rear end of said stack,

and a pair of side plates disposed one on either side of the stack and extending between said front and rear follower plates,

with said front and rear follower plates being indented at the sides thereof approximately the thickness of the respective side plates to receive same and dispose said side plates closely adjacent the respective side edges of said mounting and spacer plates,

with those of said rubber bars of each mounting plate disposed closest to said side edges thereof comprising side rubber bars of each of said units,

said side rubber bars defining side walls that are upstanding when the gear is in its said operative position,

said side bars each having a volume such that for each such side bar, the space bounded by the side bar side edge, the mounting plate, the spacer plate engaging the side bar, and the side plate adjacent the side bar has a volume that is in the range of from about 45 to about 50 per cent of the volume of the side bar, for accommodating flow of the rubber forming said bars under coupler forces on the order of 600,000 pounds without said material of said side bars engaging said side bars.

CLASS 167F. I.C.-A23f 3/02.

139663.

ROTARY TEA DRYING MACHINE.

Applicant : THE JOKAI (ASSAM) TEA COMPANY LIMITED, OF DUNSTER HOUSE, 37, MINCEING LANE, LONDON, EC3R 7BY, ENGLAND, BUSINESS PLACE IN INDIA AT 21, NETAJI SUBHAS ROAD, CALCUTTA-700001, INDIA.

Inventors : BALMER LAWRIE & CO. LTD., AND ARINDAM KAR.

Application No. 1308/Cal/73 filed June 4, 1973.

Appropriate office for opposition Proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A rotary tea drying machine comprising a plurality of rotatable circular decks, each carrying a set of segmental shaped perforated leaf rays over-lipping each other, said decks being disposed one above the other and being enclosed by two concentric shells, thereby defining a plurality of annular leaf-carrying surfaces disposed one above the other, said leaf-carrying surfaces being adapted to be rotated such that one deck defining an annular leaf-carrying surface rotates in opposite direction to that in which the subsequent or the preceding deck rotates, and each of said leaf trays being adapted to be tilted at least once during one full revolution of the respective leaf-carrying surface, and means for supplying not air through said leaf-carrying surfaces.

CLASS 24D₃. I.C.-B60t 7/20.

139664.

IMPROVEMENTS IN TRAILER BRAKE CONTROL VALVES.

Applicant : CLAYTON DEWANDRE COMPANY LIMITED, OF TITANIC WORKS, LINCOLN, ENGLAND.

Inventor : RALPH COUPLAND.

Application No. 1937/Cal/74 filed August 28, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A trailer brake control valve for use in a tractor-trailer braking system of the kind referred to, said valve comprising at least one piston responsive to a service line pressure and having operative connection with a valve-actuating member, a valve element co-acting with a seating structure and adapted upon displacement from its seat by said actuating member to disconnect the trailer service brake line from an exhaust connection and connect it to a supply of pressure fluid, and a further piston responsive to the pressure in the tractor spring brake control line and operable when pressure in this line is reduced to effect displacement of the valve seating structure away from the seating element and thereby also effect pressurisation of the trailer service brake line.

CLASS 32F₃b. I.C.-B41b 15/00.

139665.

A METHOD OF PREPARING COLOURLESS COLOUR FORMERS.

Applicant : WIGGINS TEAPE LIMITED, OF GATEWAY HOUSE, 1, WATLING STREET, LONDON, E.C. 4, ENGLAND.

Inventors : NIGEL HUGHES AND ANDREW HUNTER MORRIS RENFREW.

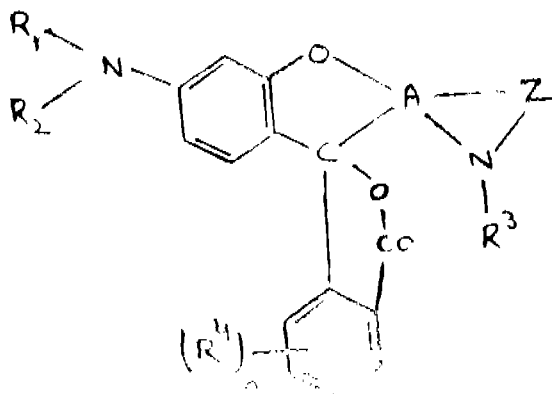
Application No. 356/Cal/73 filed February 17, 1973.

Convention date February 21, 1972/(7848/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

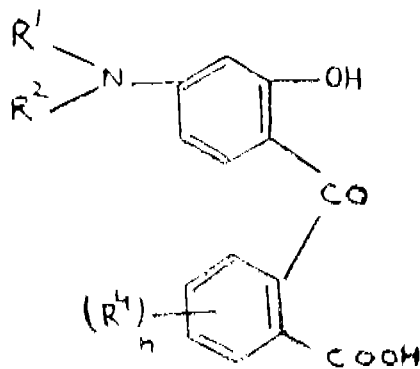
9 Claims.

A method of preparing colourless colour formers having the general formula I.

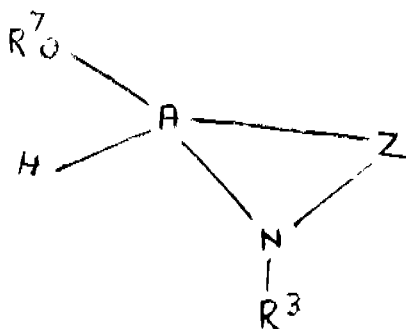


wherein R^1 , R^2 and R^3 each independently represents hydrogen or an optionally substituted alkyl radical having from one to five carbon atoms or forms part of a heterocyclic ring containing the attached nitrogen atom; R^4 represents a halogen atom or an alkyl, aryl, aralkyl, alkoxy, nitro, optionally substituted amino, acyl, carboxy, cyano or sulphonyl radical; n represents an integer of from 0 to 4; A represents an optionally substituted aromatic ring the points of attachment being at two pairs of ortho positions; and Z represents an optionally substituted divalent radical, a five or six-membered ring being formed with -NR³- and A, with the proviso that when Z is a 1, 2-pheny-

lene radical, then n is not 0; which method comprises reacting a compound of the formula II.



wherein R^1 , R^2 , R^4 and n have the significances stated above with a compound of the Formula III.



wherein A, Z and R^8 have the significances stated above and R^7 represents hydrogen or lower alkyl, the reaction being performed in the presence of a condensing agent of the type as herein described.

CLASS 64B₁. I.C.-H02g 1/00.

139666.

B26b 27/00.

METHOD AND APPARATUS FOR PREPARING THE ENDS OF CABLES FOR SPLICING.

Applicant : USS ENGINEERS AND CONSULTANTS, INC., AT 600 GRANT STREET, PITTSBURGH, STATE OF PENNSYLVANIA, UNITED STATES OF AMERICA.

Inventor : EUGENE VICTOR ABAROTIN.

Application No. 825/Cal/73 filed April 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

Apparatus for preparing the end of a multi-conductor cable for splicing by stripping a portion of a jacket enclosing the conductors off the cable end and cutting the conductors in the cable end to different lengths, characterized by a step cutter mounted in a fixed housing and having pairs of opposed blades which form opposite sets of blades, one set along each of opposite longitudinal sides of a cable end received between blades, said pairs of blades comprising one pair of notching blades adapted to cut through the jacket and, at one side of said notching blades, pairs of cutting blades in spaced succession for cutting through the conductors, by means simultaneously moving opposed blades together, by a stripper having gripping means for clamping the cable on the other side of said notching blades, and by a slidable mounting of the stripper for movement away from said notching blades when said opposed blades are together to strip the jacket from the cable end.

CLASS 51D. I.C.-B26b 21/24.

139667.

IMPROVEMENTS IN OR RELATING TO SHAVING DEVICES.

Applicant : WILKINSON SWORD LIMITED, OF SWORD HOUSE, TOTTERIDGE ROAD, HIGH WYCOMBE, BUCKINGHAMSHIRE, ENGLAND, AND FORMERLY OF SWORD WORKS, SOUTHFIELD ROAD, LONDON, W. 4, ENGLAND.

Inventor : CILIN ARTHUR ATKINS.

Application No. 1116/Cal/73 filed May 11, 1973.

Convention date May 16, 1972/(22939/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A holder for a shaving unit, said shaving unit consisting of a substantially rigid member to which one or more razor blades is secured with the rigid member providing a guard surface located at a pre-set spacing from the cutting edge of the, or each, blade, said holder comprising ejecting means for ejecting a shaving unit from said holder when the shaving unit is to be replaced, said ejecting means being a unitary member which has a latch portion adapted to secure a shaving unit in the holder, and which also has a head adapted to be brought into engagement with the rear of a shaving unit when it is held in the holder said latch portion and said head being relatively-movable towards one another against a restoring force which results from the inherent resilience of the unitary member.

CLASS 35E. I.C.-C04b 35/18.

139668.

PROCESS FOR PREPARING HIGH ALUMINA REFRACTORY MATERIALS.

Applicant : ORISSA INDUSTRIES LIMITED, P.O. LATHIKATA, DIST. SUNDARGARH, ORISSA.

Inventors : KASHI PRASAD JHUNJHUNWALA, MADAN MOHAN SAHU AND GANESH CHANDRA BANERJEE.

Application No. 1232/Cal/73 filed May 25, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims. No drawings.

A process for preparing high alumina refractory materials which comprises grinding separately fused alumina and sintered alumina, mixing them with requisite amount of water and one or more bonding materials such as herein described in the following proportions (by weight)—

fused alumina—70 to 80%

sintered alumina—20 to 30%

bonding material—4 to 8% of the composition, so that the final mixture will have the following typical chemical analysis—

alumina (Al_2O_3)—85 to 92% and

iron oxide (Fe_2O_3)—1% maximum,

and thereafter heating said mixture at a temperature between 1650°C and 1700°C.

CLASS 196B. I.C.-F24f 13/00.

139669.

AIR-INLET MEANS FOR AIR-CONDITIONING INSTALLATIONS OR THE LIKE.

Applicant : DANFOSS A/S, NORDBORG, DENMARK.

Inventor : PETER VILHELM NIELSEN.

Application No. 193/Bom/73 filed June 1, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

An air inlet means for air-conditioning installations or the like of which an inlet opening extending substantially in a vertical plane is divided by vanes which impart a certain inlet angle

to the air stream, at least one parameter that is temperature or volume of the inlet air being variable, characterised in the means in the nature of a regulating device is provided by which the inclination of the vanes to the horizontal can be altered according to the variations of either of the said parameter of the inlet air.

CLASS 48A. I.C.-H01b 7/00.

139670.

IMPROVEMENTS IN OR RELATING TO THE MANUFACTURE OF ELECTRIC CABLES.

Applicant : BRITISH INSULATED CABLES LIMITED, OF 21, BLOOMSBURY STREET, LONDON WC1B 3QN, ENGLAND.

Inventor : ALEXANDER JOSEPH MOORE.

Application No. 1424/Cal/73 filed June 18, 1973.

Convention date June 19, 1972/(28682/72) U.K.

Addition to No. 121704.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A method of manufacturing an extruded covering on a continuously advancing core in which the core is caused to pass through the core tube of an extrusion machine which applies a peripherally continuous layer of covering material on to the core, continuous treatment of the covering so formed is effected by passing the covered core through a chamber hermetically sealed to the outlet end of the extrusion machine and containing a fluid medium at super-atmospheric pressure, and fluid under pressure is injected into the interior of the core tube and is maintained at a pressure which is less than that of the fluid medium by an amount such that the pressure difference across the extruded covering at the extrusion orifice is sufficient to cause the extruded covering to collapse firmly on to the core as it emerges from the extrusion machine but is insufficient to force the extruded covering back along the core tube, wherein upstream of the position or positions where fluid under pressure is injected into the interior of the core tube at least one inflatable collar, provided with a radially inner layer of a heat-resistant material having a low coefficient of friction, surrounds the advancing core and is at least partially inflated to an extent sufficient to compress the inner layer of heat-resistant material radially inward on to the advancing core to cause the collar and the inner layer to effect a substantially fluid-tight seal between the core tube and advancing core.

CLASS 108C₁+C₂ & 130F+G. I.C.-C21b 7/00, 7/02, 139671. C22b 9/10.**A METHOD OF AND AN APPARATUS FOR AGITATING A BATH OF MELTED METAL FOR TREATING THE SAME.**

Applicant : KOBE STEEL LTD., OF 36-1, 1-CHOME, WAKINOHAMA-CHO, FUKUOKA-KU, KOBE, JAPAN.

Inventors : KIICHI NARITA, TAKASUKE MORI, TAKAMICHI ITO, AKIRA KUJIME AND YOSHITOMO SATO.

Application No. 1866/Cal/73 filed August 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A method of agitating a bath of melted metal for treating the same by defining a columnar body of the melted metal in said bath being hydrostatically communicated with said bath at the lower end portion thereof, mixing a gas with said columnar body to cause said body to have a reduced apparent specific gravity as compared with the remaining body of said bath, and pouring melted metal forming the upper-most region of said columnar body onto the free surface of said bath from the upper side thereof, characterised by changing continuously the position from which said melted metal is poured on said free surface of said bath by relatively moving the flow of said melted metal with respect to said free surface.

CLASS 176B+F. I.C.-F22b 13/02.

139672.

11 Claims.

A DEVICE FOR GENERATING LOW PRESSURE STEAM.

Applicant & Inventor : PARTHASARATHY RANGA-NATHAN VIJAYARAGHAVAN, 3/19, TEYNAMPET RAMASWAMY MUDALI STREET, KONDITHOPE, MADRAS-600001, TAMIL NADU, INDIA.

Application No. 175/Mas/73 filed November 24, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims.

A device for generating and supplying steam at a low pressure of the desired value comprising a furnace constituted by a first chamber provided with a detachable fire grate at its base and with one or more flues at its top; a second chamber for converting water into steam, said second chamber being formed around the said first chamber and having an inlet for receiving water thereinto from an external source and an outlet for the discharge of generated steam therefrom; means for maintaining the water within the second chamber at a given level so as to provide space above such level for being occupied by the generated steam; one or more conduits passing through the first chamber, with each such conduit connecting one side of the second chamber to another side thereof so as to cause water in the second chamber to circulate through such conduits; a separator provided within, and near the outlet of the second chamber for separating and removing water particles from the steam before discharge of the said steam through said outlet; a steam drier constituted by a third chamber formed around the flues and having an inlet for receiving thereinto the steam discharged from the second chamber and an outlet for the discharge of dry steam therefrom; and a safety pressure-release valve for permitting some of the dry steam discharged from the third chamber, whenever the pressure thereof exceeds the desired value, to escape to atmosphere.

CLASS 66D. I.C.-H01r 33/08.

139673.

BULBHOLDER ASSEMBLIES FOR LAMP UNITS.

Applicant : THE LUCAS ELECTRICAL COMPANY LIMITED, OF WELL STREET, BIRMINGHAM, ENGLAND.

Inventor : WALTER KENNETH BRYANT.

Application No. 2839/Cal/73 filed December 31, 1973.

Convention date January 9, 1973/(1208/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A bulbholder assembly for a lamp unit, comprising a plate having a pair of spaced, bulb receiving apertures therethrough and a slot between said apertures, a pair of electrically insulating members having mutually engaging surfaces, said members being lodged in said slot and having recesses in the mutually engaging surfaces thereof, and a pair of contact elements disposed in said recesses and extending from said insulating members to lie respectively opposite said apertures.

CLASS 10D. I.C.-F42b 39/08, F16b 2/20, B65d 67/02.

139674.

A CARTRIDGE CLIP.

Applicant : ETAT FRANCAIS, REPRESENTÉ PAR LE DELEGUE MINISTERIEL POUR L'ARMEMENT, ORGANISME D'ETAT, OF 4, AVENUE DE LA PORTE D'ISSY, 75 PARIS (15EME), FRANCE.

Inventors : PAUL PICHARD AND LUCIEN CORBIN.

Application No. 659/Cal/74 filed March 25, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A cartridge clip comprising an elongated channel-shaped body for receiving rim ends of cartridge to be held in the clip, such body having longitudinal side walls each provided with a flange which extends substantially parallel to a base of the body and inwardly of the body for engaging in a groove provided at the rim end of each cartridge, in which clip the longitudinal side walls of the body are resiliently separable to enable the rim ends of the cartridges to be introduced into the clip transversely of the body by a snap action. kl

CLASS 154G. I.C.-B41m 5/00.

139675.

A NEW DEVICE FOR MAKING A PLURALITY OF COPIES OF A WRITING AT THE TIME OF WRITING.

Applicant & Inventor : MRS. RANJANA SHREEPAD MONDKAR, 12A, WASUDEO SMRITI, PAREL ROAD CROSS LANE, DR. AMBEDKAR ROAD, BOMBAY-12, MAHARASHTRA, INDIA.

Application No. 150/Bom/74 filed April 15, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

5 Claims.

A device which permits making of a plurality of carbon copies of a writing at the time of writing, comprising an enclosure for holding a plurality of reels of writing paper or reel with plurality of sheets wound thereon, opening(s) in the said enclosure to draw paper from the reel or reels to be kept in said enclosure, a pad for keeping a plurality of layers of writing paper drawn from said reel or reels one above the other with the top sheet of paper or part thereof exposed for writing; first hold-down means to hold down carbon paper(s) inserted in between said layers of writing paper during writing and during traverse of paper, said first hold-down means adapted to hold the carbon paper(s) at or near its edges which are parallel to the axis of traverse of the paper; a second hold-down means to hold down paper during writing and means to cut away those sheets of paper on which writing has been completed.

CLASS 94C & 174F. I.C.-B02C 15/06, F16f 1/44.

139676.

MEANS FOR ADJUSTING THE COMPRESSION OF A SPRING BIASING MEANS.

Applicant : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : JOHN ALLISON MORTON.

Application No. 907/Cal/74 filed April 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Means for adjusting the compression of a spring biasing means including in combination, a helical compression spring, a first rod extending centrally of the spring, a spring seat attached to a first end of the first rod, a plate bearing against the first rod at the second end thereof and forming a seat for the other end of the spring the first rod extending through an opening in the plate and being threaded at the second end, a nut threaded onto the second end of the first rod for adjustably forcing the plate into engagement with the spring, the threaded end of the first rod extending beyond said nut, a second rod threadably attached to said first rod, a jig surrounding the second rod, said jig having a first base at one end in contact with the plate, said jig having a plate at its other end, an annular hydraulic jack surrounding the second rod and being in contact at one end with the second plate, fluid means for causing opening of the jack, retaining means secured to the second rod and outwardly of the jack, so that as the jack opens, it exerts a force on the compression spring, means for determining the force exerted on the compression spring, said jig having an opening in the sidewall thereof for permitting the adjustment of said nut.

CLASS 89. I.C.-G01L 13/00.

139677.

PNEUMATIC SENSOR OF THERMOTECNICAL PARAMETER.

Applicant : GOSUDARSTVENNY NAUCHNO-ISSLEDOVATELSKY INSTITUT TEPIOENERGETICHESKOGO PRIBOROSTROENIA, PROSPEKT MIRA, 95, MOSCOW, USSR.

Inventors : ALBERT YAKOVLEVICH JUROVSKY, GENADY SAMUILOVICH ZELENKO AND JURY MARKOVICH BRODKIN.

Application No. 1427/Cal/74 filed June 26, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A pneumatic sensor of a thermotecnical parameter comprising a body with a hole accommodating a bushing, a two-arm lever passing with a certain clearance through the hole in the bushing which carries the support of the lever so that one arm of the lever is located inside the body while its other arm is outside the body, a split block secured to the bushing outside the body and provided at its opposite side with two flat uni-directional clamps, each clamp having one longitudinal side and two transverse sides and the clamps proper are arranged in the planes parallel to the swinging plane of the lever, the longitudinal sides of the clamps being directed along the lever; secured between the clamps are crosspieces one of which carries a nozzle-shutter element, the other one carries a bellows and the next crosspiece carries a zero corrector, the first arm of the lever interacting with the element sensitive to the thermotecnical parameter and accommodated in the body while the other arm of the lever interacts with the nozzle-shutter element which communicates pneumatically with the inlet channel of a pneumatic amplifier which has another channel for feeding the supply pressure and still another channel of the output pneumatic signal which serves simultaneously as the output of the pneumatic sensor and communicates pneumatically with the bellows which interacts with the other arm of said lever, said arm being mechanically linked with the zero corrector.

CLASS 33A+F. I.C.-B22C 9/00.

139678.

AN OSCILLATING MOULD CONTAINING AN ARCUATELY CURVED MOULD CAVITY.

Applicant : CONCAST AG, TODISTRASSE 7, CH - 8027 ZURICH, SWITZERLAND.

Inventor : MARKUS SCHMID.

Application No. 2579/Cal/74 filed November 20, 1974.

Addition to No. 1190/Cal/74.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An oscillating mould containing an arcuately curved mould cavity for cooling an incipient steel strand, comprising a first cooling device providing an indirect cooling effect and a second cooling device equipped with strip-shaped support surfaces separated by strip-shaped cooling water channels, said channels being open at the strand exit end and provided with water infeed means, characterised in that intermediately between the first (3) and the second cooling device (5) there is provided an allround ope-sided hollow mould compartment, and that in the second cooling device (6) the width-defining edges of the cooling water channels (18) in the two mould walls (45) associated with the straight sides of the strand are curved in the direction of travel (13) of the strand to conform with the circularly arcuate curvature of the mould cavity.

CLASS 105A. I.C.-G09d 3/04.

139679.

A NOVEL DEVICE OF A MULTI-PURPOSE PERMANENT CALENDAR.

Applicant & Inventor : VITTAL RAO NAGOJI RAO BADAMI, INDIAN INSTITUTE OF PETROLEUM, MOH-KAMPUR, DEHRA DUN, UTTAR PRADESH, INDIA.

Application No. 325/Cal/75 filed February 20, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A novel device of a permanent form of a wall or desk calendar in which the days of the week (commencing from Sunday) are marked at the heads of seven grooves D-1; D-2; D-3; D-4; D-5; D-6; and D-7 drawn on any rigid and flat material, with ten sets of numbers S-1; SS-1; S-2; SS-2; S-3; SS-3; S-4; S-5; S-6; and S-7 (signifying dates) marked on one or both sides of seven rectangular blocks or strips of the same or other material which are superimposed at a plane parallel to the plane on which the grooves are made constituting rows, the calendar for any specific month being obtained by choosing the seven appropriate faces or sides of the blocks and superimposing the respective blocks against the correct 'day-grooves' (depending on the specific month) and ensuring that the last number in the sets selected represents the number of days in the month concerned.

CLASS 69G+M. I.C.-H01h 3/00, 5/00.

139680.

DRIVE FOR AN ELECTRICAL SWITCH.

Applicant : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, GERMANY (WEST).

Inventor : HANS KELBEL.

Application No. 1166/Cal/73 filed May 18, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A drive for an electrical switch comprising a drive member mounted upon a shaft so that the drive member can rotate relative to the shaft output means for coupling to a switch operating member, first and second springs coupled to the output means so that release of energy from the first spring can be utilised to change a switch from a first state to a second state, and a release of energy from the second spring can be utilised to change the switch from a second state to a first state, the first spring being coupled to said shaft so that a rotation of the shaft will tension the first spring, and the second spring being coupled to the first so that the release of energy stored in the first spring will tension the second spring, coupling means for coupling the drive member to the shaft so that the first spring can be brought into tension by rotation of the drive member, the coupling means being constructed so that, on release of energy from the first spring, a portion of the coupling means is so driven by the shaft as to disengage the coupling between the drive member and the shaft, driving means applying a drive to the drive member, releasing means for disengaging the driving means from the drive member and operating means secured to the shaft for operating the releasing means to disengage the driving means from the drive member when the first spring has reached its tensioned, energy storage state.

CLASS 129F. I.C.-B23C 3/16.

139681.

MILLING MACHINE FOR THE MACHINING OF PARTS OF LARGE DIMENSIONS, IN PARTICULAR OF THE BLOCKS OF SOLID PROPELLANTS.

Applicant : SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS, OF 12, QUAI HENRI IV, 75181 PARIS CEDEX 04, FRANCE.

Inventors : LANDILLON LOUIS GABRIEL, DUMAS PIERRE AND BROUTIN CHARLES.

Application No. 853/Cal/73 filed April 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A milling machine useful for the machining of the parts of large dimensions and more especially for the machining of the blocks of solid propellant, essentially including a milling tool holding spindle with a vertical axis, means to drive said spindle in a rotation around its axis, a gin, rotating within a frame, and in which the said spindle is fitted, means to confer to such gin a rotating motion the amplitude of which may reach 360° in one direction or in the other direction around a second vertical axis which is offset in relation to the spindle, means to convey to the spindle a movement of radial translation in relation to the said gin in order to bring it closer to or to remove it more or less away from the axis of such gin, characterized by the fact that such means of radial translation of the spindle are laid out in accordance with a diameter of the lower face of the gin, in such a way as to allow for the machining over the total circular working area and in particular in the central part, the said rotating gin including the aggregate of the mechanisms to control the milling tool holding spindle: radial translation, rotation around its axis and vertical translation along its axis in such a way as to cause the milling tool to protrude more or less out of the lower face of the said gin.

CLASS 129C. I.C.-E21b 9/34.

139682.

PROCESS AND DEVICE FOR THE MACHINING OF THE INTERNAL DUCT OF A BLOCK OF SOLID PROPELLANT.

Applicant: SOCIETE NATIONALE DES POUDRES ET EXPLOSIFS, OF 12, QUAI HENRI IV, 75181 PARIS CEDEX 04, FRANCE.

Inventors: LANDILLON LOUIS GABRIEL AND LUMAS PIERRE.

Application No. 854/Cal/73 filed April 11, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A process for the machining of circular grooves in the internal duct of a block of solid propellant with a view to increasing the initial combustion surface, comprising the steps of: providing a block-cast core having no counter taper, fitting the said block on the spindle of a lathe and subjecting the same to rotation along with said spindle, carrying out machining around the internal duct of the cast-block in order to form circular grooves, said machining being carried out by a single cutting tool fitted on an extensible tool holder, said tool being adapted to be unfolded after it has become engaged in the internal duct of the block for forming said circular grooves and said machining being accompanied by simultaneous exhaustion of the shavings (cuttings) continuously.

CLASS 148H. I.C.-G03g 13/00, 5/00.

139683.

METHOD AND APPARATUS FOR RECORDING IMAGES ON ELECTRO-PHOTOGRAPHIC FILM.

Applicant: COULTER INFORMATION SYSTEMS, INC., OF 77 DE ANGELO DRIVE, BEDFORD, MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor: MANFRED RUDOLF KUEHNLE.

Application No. 1313/Cal/73 filed June 5, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

20 Claims.

A method of producing an article, namely a transparency and like projectible and/or reproducible imaged member, which comprises the steps of charging a photo-conductive film member, exposing the charged member to a light image, and toning the member after exposure, wherein the member is charged to a peak voltage the magnitude of which is controlled inversely in accordance with the intensity of the light exposure is effected immediately following said charging peak voltage and toning is effected immediately subsequent to completion of exposure of the member.

2—157GI/76

CLASS 154G. I.C.-G03C 5/00, 7/00.

139684.

A PROCESS OF TREATING A PHOTOCOPYING MATERIAL FOR MAKING FACSIMILE.

Applicant: OCE-VAN DER GRINTEN N.V., OF ST. URBANUSWEG 102, VENLO, HOLLAND.

Inventors: PETRUS, JOHANNES, MARIA VAN NUNEN AND WILLEM VAN BARNEVELD.

Application No. 1328/Cal/73 filed June 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawings.

A process for producing a fixed image on a substrate having thereon a photoconductive zinc oxide binder layer, which process comprises:

(a) electrostatically charging a photoconductive zinc oxide binder layer containing zinc oxide and binder in the weight proportions of 9 : 1 to 14 : 1 and capable of being charged to a maximum surface potential of between 100 and 250 V, which photoconductive layer is present on a flexible support having a specific resistance of less than 10^{12} ohm. cm;

(b) image wise exposing the photoconductive layer to produce thereon a latent electrostatic image corresponding to the image of the original to be reproduced;

(c) simultaneously developing and fixing the latent electrostatic image by contacting the image bearing photoconductive layer for not more than 3 seconds with a one-component powder having a specific resistance of less than 10^7 ohm. cm while maintaining a conductive connection between the one-component powder and the support of the photoconductive layer.

CLASS 103. I.C.-C23f 14/02, 11/18,

139685.

C23g 1/26.

A METHOD FOR THE REMOVAL OF DEPOSITS FROM SURFACES.

Applicant: POLAR CHEMICALS LIMITED, OF LEE HOUSE, LONDON WALL, LONDON E.C. 2, ENGLAND.

Inventor: NORMAN VICTOR SYDNEY KNIBBS.

Application No. 1525/Cal/73 filed June 29, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims. No drawings.

A method for the removal of deposits (as hereinbefore defined) from surfaces, which method comprises applying to a heated surface a deposit removing agent which is characterised in that the agent applied to the surface consists essentially of a mixture of ammonium nitrate and at least one nitrate of an alkali metal, an alkaline earth metal, copper or zinc, the said agent not including therein an oxidisable organic material, sulphur or a sulphur compound.

CLASS 205C+G+H+I. I.C.-B60b 21/04, 25/14.

139686.

IMPROVEMENTS IN AND RELATING TO VEHICLE WHEELS.

Applicant: DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S LONDON, S.W. 1, ENGLAND.

Inventor: WILLIAM ERIC MITCHELL.

Application No. 1564/Cal/73 filed July 5, 1973.

Convention date July 6, 1972/(31618/72) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

43 Claims.

A wheel rim comprising a pair of rim portions each having a radially inwardly extending annular attachment flange, fastening means to provide an axial clamping load to urge the attachment flanges towards one another, and a sealing ring located in a circumferentially extending channel formed between the attachment flanges and bounded by circumferentially extending radially spaced-apart abutment zones through which substantially the whole axial clamping load on the attachment flanges is carried, the sealing ring being of smaller width, measured in the radial direction relative to the rim, than the width of the channel measured in said radial direction.

CLASS 40A, I.C.-B01J 9/04.

139687.

A PROCESS AND APPARATUS FOR ENZYMATICALLY ADJUSTING THE PROPORTION OF A SUBSTRATE IN A SOLUTION.

Applicant: UNISEARCH LIMITED, OF 1 BARKER STREET, KENSINGTON, NEW SOUTH WALES, COMMONWEALTH OF AUSTRALIA.

Inventors: RONALD ALEXANDER NIXON EDWARDS, PETER MAURICE CANTRELL, AND JOHN JAMES MILLER.

Application No. 1589/Cal/74 filed July 16, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for altering the proportion of a compound in a solution by enzymatic conversion thereof using a soluble enzyme having a molecular size greater than that of the compound, comprising the steps of filtering from the solution all matter having a size larger than the molecular size of the enzyme in a first filter, adding the enzyme to the first filtrate to achieve the desired enzymatic conversion of the said compound, filtering the enzyme from the solution in a second filter, and combining the second filtrate with the matter filtered out by the first filter.

CLASS 32Fb, I.C.-C07d 39/00.

139688.

THE METHOD OF PREPARING NEW N-(D-6-METHYL-8-ISOERGOLIN-1-YL)-N', N'-DIETHYLUREA.

Applicant: SPOFA SPOJENE PODNIKY PRO ZDRAVOTNICKOU VYROBU, PRAHA, CZECHOSLOVAKIA.

Inventors: VIKTOR ZIKAN, (2) MIROSLAV SEMONSKY, (3) KAREL REZABEK, (4) MIROSLAV SEDA, (5) MARIA AUSKOVA.

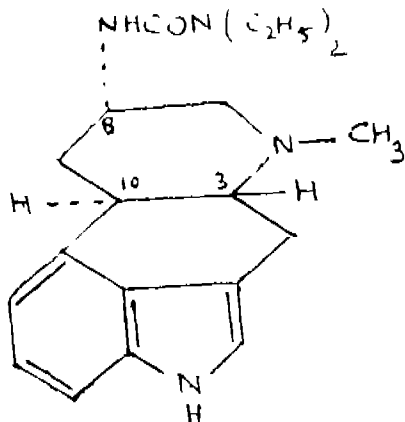
Application No. 884/Cal/75 filed May 1, 1975.

Division of Application No. 1039/72 filed August 1, 1972.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for preparing new N-(D-6-methyl-8-isoergolin-1-yl) N', N'-diethylurea of the formula I.



and the salts thereof with organic or inorganic acids which comprises transforming azide of D-dihydroisolysergic-I-acid, by heating, into D-6-methyl-8-isoergolin-1-yl isocyanate followed by reacting the obtained isocyanate derivative with diethylamine to give N-(D-6-methyl-8-isoergolin-1-yl)-N', N'-diethylurea, whereupon the obtained crude product is purified by column chromatography and/or crystallization and then transformed when desired into a salt using an organic or inorganic acid.

CLASS 100, 116G & 127-I, I.C.-B06b 1/18, B65g 15/00, 17/00, 19/00, 27/00.

139689.

FLUID ACTUATED VIBRATORY DEVICE.

Applicant: VERENIGDE BEDRIJVEN TANKFABRIEK-KOOIJMAN N.V., OF P.O. BOX 10, NOORDHOEK 23, PAPENDRECHT, THE NETHERLANDS.

Inventors: JAN FREDERIK FELDERHOF AND JAMES WILLIAM ALFRED WESTWOOD.

Application No. 1915/Cal/73 filed August 20, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

18 Claims.

A vibratory device comprising a hollow cylinder with terminal and plates, an inner sleeve fitted in said cylinder and extending between said end plates, said cylinder having an inlet for a gaseous pressure fluid, said sleeve having an inlet opening in registry with said inlet in the cylinder for flow of the pressure fluid therethrough, and a piston slidably mounted in said sleeve for undergoing reciprocating movement therein, said inner sleeve having a pair of axially spaced exhaust ports, said inner sleeve and cylinder defining two circumferential passages therebetween each in axial registry with a respective exhaust port, said cylinder having two outlet ports each in communication with a respective circumferential passage and therethrough with a respective exhaust port, each outlet port in the cylinder being circumferentially displaced with respect to the associated exhaust port in the inner sleeve, said piston being provided with two passageways, each for establishing communication between the inlet opening in the sleeve and a respective working chamber formed between one end of the piston and one terminal and plate, said piston in the course of reciprocating movement passing through respective axial positions in which the piston successively covers and uncovers each exhaust port in the inner sleeve.

CLASS 129C+G, I.C.-B26d 3/06.

139690.

A GROOVING TOOL.

Applicant: LARSEN & TOUBRO LIMITED, OF LARSEN & TOUBRO HOUSE, BALLARD ESTATE, BOMBAY-1, MAHARASHTRA, INDIA.

Inventor: MR. KANAYALAL JIVANLAL PHERWANI.

Application No. 144/Bom/74 filed April 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

6 Claims.

A grooving tool for cutting grooves on a job such as, for instance, inside machined holes or outside shafts, or on any other machinable material comprising a rotatable core-shaft provided in a coaxial housing and coupled thereto so that said housing rotates therewith, said core-shaft being adapted to be driven by a radial drilling machine or any other machine having rotating or fixed spindles through a shank so that apart from rotating it executes an axial feed movement relative to said housing when a load is applied to the shank, a radially slidable block disposed in the lower part of said housing and rotatable therewith and carrying one or more cutting tool bits, and means operable by said core-shaft for converting the axial feed of the core-shaft into a radial feed of the sliding block.

CLASS 17D. I.C.-B67C 3/10, 3/12, 3/20, 139691.

G01f 1/04, 3/00, 5/00.

BEER DISPENSING UNIT.

Applicant : MODESTO REFRIGERATION CORPORATION, 1ST, B/96, LAJPAT NAGAR, NEW DELHI, INDIA.

Inventors : SURINDER SINGH BABBAR AND JANG BAHADUR SINGH BABBAR.

Application No. 2670/Cal/73 filed December 7, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A beer dispensing unit characterised in that it comprises a beer storage tank having a panel at its upper part provided with four indicators and an underneath refrigeration unit to cool the beer, a dispensing unit, a glass viewer on its front, an outlet type for dispensing the beer together with a tray stand for keeping the container to be filled in, with provision of a starter and timer switch characterised in that when the switch for the cooling device is turned off, the beer stops flowing out from the dispensing unit, but when the counter-pressure release switch is put, the flow of beer starts, further characterised in that as and when the starter and timer switch is pressed the cold beer starts pouring out and fills up a measured quantity of beer in the container placed below on the tray stand.

CLASS 154D. I.C.-B41N 1/00, 139692.

B41C 3/04, 3/06.

PRINTING PLATES/BLOCKS AND METHOD FOR MAKING SAME.

Applicant & Inventor : HOSHANG DARAB PALANJI PAVRI, OF 77-A PARK STREET, CALCUTTA-700016, WEST BENGAL, INDIA.

Application No. 2730/Cal/73 filed December 14, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A method for preparing a printing plate or block from a blank having the required inscriptions characterized in that the blank is formed of a thin metal foil having the required inscriptions on same, the metal foil being malleable in properties, positioning the said foil on a hard and perfectly flat surface, surrounding the sides of the metal foil with raised walls of a material capable of withstanding the temperature of the molten metal used subsequently in forming the main body of the printing plate of block, pouring a molten metal having a melting point lower than that of the metal of the foil into the hollow space provided by the raised walls or filling the hollow space provided by the raised walls with an air hardenable non-metallic material capable of withstanding the normal working pressure of the printing machines and also capable of assuming itself to the designs or features of the inscriptions or characters in the metal foil and also capable of providing body and weight to the final block or plate, allowing the filled metal to cool and solidify or the non-metallic material to settle and harden and whereafter the surrounding wall forming materials are removed if necessary.

CLASS 172C. I.C.-D01g 15/50. 139693.

IMPROVEMENTS IN TEXTILE CARDING MACHINES.

Applicant : CROSROL LIMITED, OF PELLON LANE WORKS, HALIFAX, YORKSHIRE, ENGLAND.

Inventor : JOHN PICKLES.

Application No. 603/Cal/74 filed March 20, 1974.

Convention date July 18, 1973/(34207/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

The method of removing a carded web of fibres in full width from a cotton carding machine including the steps of stripping the web from a doffer by means of a stripping roller system including a first card clothing covered stripping roller, at least one pair of plain surfaced crushing rollers, a second card clothing covered stripping roller and at least one additional control roller having a plain surface, the web being subjected to drafting between at least the first stripping roller and the pair of plain surfaced crushing rollers.

CLASS 49H & 92J. I.C.-A47J 27/092, 139694.
A47J 27/08.**PRESSURE COOKING APPLIANCE.**

Applicant : THE PRESTIGE GROUP LIMITED, OF PRESTIGE HOUSE, 14-18, HOLBORN, LONDON EC1N 2LQ, ENGLAND.

Inventors : ALLAN GEORGE ROSSI ASHTON AND EDWARD JOHN CORDELL.

Application No. 2436/Cal/74 filed November 6, 1974.

Convention date November 14, 1973/(52938/73) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A pressure cooking appliance having a safety valve comprising a valve port which is closed by a moveable valve member which moves to open said valve port at predetermined pressure within said appliance, the valve member being operated by a pivoted element which carries means for adjusting and varying the predetermined pressure at which said valve member opens the valve port.

CLASS 128G+H+K. I.C.-A61b 17/12, 17/42. 139695.

A CLIP FOR REVERSIBLE OR PERMANENT INTERRUPTIONS OF BODY PASSAGES IN HUMAN AND ANIMALS.

Applicant : DR. WALDEMAR BLEIER, OF RODENER SCHANZE 1, D-663 SAARLOUIS, FEDERAL REPUBLIC OF GERMANY.

Inventor : MAX GREMMELSPACHER.

Application No. 559/Cal/73 filed March 13, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A clip for reversible or permanent interruptions of body passages in humans and animals, particular the oviduct and vas deferens, comprising two jaw members joined together at one end by a resilient element, each jaw member having a gripping surface arranged to co-operate with the gripping surface on the other jaw member when the clip is in its closed position, wherein, when the clip is in said closed position, the other end of one jaw member extends around the end of the other jaw member so as to engage the face of said other jaw member opposite to its gripping surface and wherein the clip is made as a single piece moulding of a plastics material which is inert to body fluids and body tissue.

CLASS 32Fa & 70C. I.C.-C07C 87/52. 139696.

IMPROVEMENTS IN OR RELATING TO THE ELECTROLYTIC REDUCTION OF NITROBENZENE TO ANILINE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors : HANDADY VENKATAKRISHNA UDUPA, GOBICHETTIPALAYAM SRINIVASAN SUBRAMANIAN, PAYYAILUR NARAYANA ANANTHARAMAN, ANNA-MALAI POURASSAMY.

Application No. 1207/72 filed August 19, 1972.

Addition to No. 128412.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim. No drawings.

A process for eletrolytically reducing a suspension of nitrobenzene to aniline sulphate which consists in reducing a suspension of nitrobenzene as claimed in the claims of Indian patent No. 128412/70 in a supporting electrolyte of mineral acid preferably sulphuric acid up to a concentration of 25% V/V using stationary/rotating electrode of copper and employing titanous sulphate as addition agent preferably up to a concentration of 10 gm titanium dioxide per litre of catholyte and using current densities up to 25A/dm² and temperatures up to 60 deg. cent. characterised in that, after the reduction the catholyte is cooled to room temperature (30—45 deg. cent.) and filtered to recover aniline sulphate.

CLASS 32F_{3a}. I.C.-C07C 67/04, 69/12.

139697.

PROCESS FOR THE PREPARATION OF C₁-C₈ HYDRO-CARBYL ALIPHATIC CARBOXYLIC ACID ESTERS OF C₂-C₃ VICINAL GLYCOLS.

Applicant: HALCON INTERNATIONAL, INC., OF 2 PARK AVENUE, NEW YORK, NEW YORK-10016, UNITED STATES OF AMERICA.

Inventors: ROBERT JOSEPH HARVEY, JOHN KOLLAR AND JOHN PHILIP SCHMIDT.

Application No. 1239/Cal/73 filed May 26, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

32 Claims.

In the process for the preparation of C₁-C₈ hydrocarbyl aliphatic carboxylic acid esters of C₂-C₃ vicinal glycols by the catalytic liquid phase reaction of (a) an olefin corresponding in structure to the glycol moiety of said ester and selected from the group consisting of ethylene and propylene, (b) molecular oxygen and (c) a monobasic aliphatic hydrocarbyl carboxylic acid of 1-5 carbon atoms corresponding in structure to the acyl moiety of said ester; the catalyst for said reaction being a tellurium or selenium cation in combination with a halide anion, the combination being selected from the group consisting of tellurium cation plus bromide anion, selenium cation plus bromide anion and selenium cation plus chloride anion; said reaction being carried out within an oxidation zone containing a liquid phase reaction medium comprising reactants, catalyst and reaction products including the carboxylic acid esters and halogenated by-products; the improvement which comprises:

Minimizing selectivity losses while maximizing rate of formation of carboxylic acid ester product by conducting the reaction at a temperature exceeding 150°C but not in excess of about 250°C in the presence of at least 0.05 equivalent of a basicity control cation such as herein defined per gram-atom of halogen in the liquid phase reaction medium, said basicity control cation having, when in the form of a salt with the halide corresponding to that of the catalyst system, an activity coefficient of at least 0.40 and said basicity control cation not having a pH-reducing effect when in the form of a salt with the carboxylic acid reactant.

CLASS 104-J+N. & 136D. I.C.-B29h 3/00, 7/00.

139698.

METHOD OF MANUFACTURING RUBBER BANDS, STRIPS OR THE LIKE FROM COMPOUND RUBBER LATEX.

Applicant & Inventor: DONALD GUNASEKERA, OF DELAN EXPORTS LTD., BENTOTA, AND 23, PALM GROVE, COLOMBO 3, SRI LANKA.

Application No. 1783/Cal/74 filed August 8, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

Means for manufacturing rubber bands, strips or the like from compounded rubber latex comprising a set of bottom rollers and a set of upper rollers arranged in staggered relationship with respect to each other and a set of guide rollers, a metal belt passing over the said guide rollers and the said upper and lower rollers, a trough below each or some of the said bottom rollers, rubber latex filled in the said troughs the belt being given a twist during each travel from a bottom roller to the next upper roller and again from the said upper roller to the next lower roller, means for causing the belt to travel in an endless fashion, the arrangement being such that when the metal belt passes over a bottom roller, it carries from the trough a thin layer of rubber latex and then with the said coated surface exposed travels over to the next upper roller and during successive travel over the lower rollers picks up additional layers of rubber latex to obtain the required thickness, and as it finally travels over the guide rollers the consolidated layer is stripped off from the metal belt to enable it to carry on the next operation.

CLASS 19A+B₁. I.C.-F 16b 39/00.

139699.

IMPROVED CLAMP HAVING BOLT AND NUT ASSEMBLY.

Applicant: SUNDER FABRICATORS OF URDU SCHOOL STREET, ROURKELA 1, ORISSA, INDIA.

Inventor: MOHAMMED SHARIF.

Application No. 967/Cal/73 filed April 25, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An improved clamp having bolt and nut assembly *e.g.*, for use in tightening and loosening moulding boxes, comprising a bolt member having a wedge-shaped head and carrying an adjustable nut at its threaded shank, a lock member having a wedge-shaped head which coacts with the wedge-shaped head of the bolt member to constitute a wedge-lock in use of the clamp, said lock member also having an oblong slot so designed and dimensioned as to receive the shank of said bolt member therethrough and to keep the clamp in locked position, a projection provided at one of the sides of the wedge-shaped head of the lock member, which, subjected to an impact force, is adapted to unlock the clamp.

CLASS 39L & 48C. I.C.-C01f 5/02.

139700.

H01b 19/00.

GRANULAR MAGNESIA USEFUL AS ELECTRICAL INSULATOR AND A METHOD FOR PREPARING SAME.

Applicant: NORTON COMPANY, OF 1, NEW BOND STREET, WORCESTER, STATE OF MASSACHUSETTS, UNITED STATES OF AMERICA.

Inventor: JOHN JACKSON SCOTT.

Application No. 1552/Cal/73 filed July 3, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

A method of making a granular magnesia particularly useful as an electrical insulating material which comprises fusing a commercial source of magnesia in the presence of from 10% to 40% by weight of additives including at least some alumina, silica or lime or a mixture thereof, and then air quenching the molten magnesia composition in a compressed air stream to produce solidified spheres more than 40% of which are smaller than 35 on the Tyler screen, crushing the remainder of the larger sized spheres of the air quenched magnesia composition to pass through the 35 Tyler mesh screen, and mixing the crushed and air quenched smaller spheres to provide a homogeneous mixture.

CLASS 32A_a+F₁. I.C.-C07C 63/00, C07C 63/36, 139701.
C09b 57/00, 63/00.

PROCESS FOR THE PREPARATION OF 4-CHLORO-NAPHTHALIC ACID ANHYDRIDE.

Applicant: HOECHST AKTIENGESELLSCHAFT, OF 6230, FRANKFURT/MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors: WALTER DEUCKER AND HELMUT TROSTER.

Application No. 1973/Cal/73 filed August 28, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims. No drawings.

A process for the preparation of 4-chloro-naphthalic acid anhydride, wherein an alkali metal salt of naphthalic acid is chlorinated in an aqueous solution at a pH value of between 6.8 to 9.0 and at a temperature from 0° to 30°C.

CLASS 70C_a. I.C.-C23b 3/02. 139702.

IMPROVEMENTS IN OR RELATING TO ETCHING OF ALUMINIUM OR ITS ALLOYS FOR USE AS ELECTRODES IN ALUMINIUM ELECTROLYTIC CAPACITORS.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors: BALKUJE ANANTHA SHENOI, KANDADAI RAJAGOPALACHARI NARASIMHAN, VENKATASUBRAMANIAN LAKSHMINARASIMHAN, VIJAYALAKSHMI RAMAKRISHNAN AND MISS LAKSHMI SIVASWAMY.

Application No. 2044/Cal/73 filed September 6, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims. No drawings.

A process for electrochemical etching of aluminium or its alloys for use as electrodes in electrolytic capacitors by passing direct current in an aqueous solution of soluble chloride or hydrochloric acid as the main constituent and with one or more film forming compounds which are capable of producing oxide film on aluminium or its alloys during anodic oxidation to get high etch ratio in the range of 20 to 22.

CLASS 13A I.C.-B65d 33/00. 139703.

PLASTIC BAG WITH ZIG ZAG PLIES.

Applicant: WAVIN B. V., OF 251, HANDELLAAN, ZWOLLE, THE NETHERLANDS.

Inventors: PAUL CHRISTIAAN GERMAN VAN DEN BELD, ROBERT JAN HOOGENBOOM AND WILLIEM ZWEERS.

Application No. 952/Cal/74 filed April 26, 1974.

Convention date December 20, 1973/(2307/73) IRELAND.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A plastic bag with zig zag plies along the longitudinal sides, comprising a central and two outer longitudinal zig zag ply edges which delimit a first and a second zig zag plied part, the bag having further a filling valve at, at least one of the final transverse sealed joints of the tubular foil constituting the bag, wherein, in flat condition of the bag, from the free end of the tubular foil with longitudinally extending zig zag ply edges a first and a second zig zag plied part are each provided with a longitudinal incision, while a tubular valve foil constituting a valve is sealed to the outwardly folded tubular foil part, situated between the afore mentioned incisions according to a first valve sealed joint which extends in the vicinity of the outer zig zag ply edges, preferably just beyond them, between the end

points of the incisions, and to the marginal parts, delimiting the incisions, of the tubular foil walls according to a second valve sealed joint extending between the end points of the incision, as seen in the direction of the final transverse sealed joint which cross the tubular foil.

CLASS 32F₁+F₂b. I.C.-C07d 5/423. 139704.

PROCESS FOR THE PRODUCTION OF COUMARONE DERIVATIVES.

Applicant: KALI-CHEMIE AKTIENGESELLSCHAFT, OF HANS-BOCKLERALLEE 20, HANNOVER 9, WEST GERMANY.

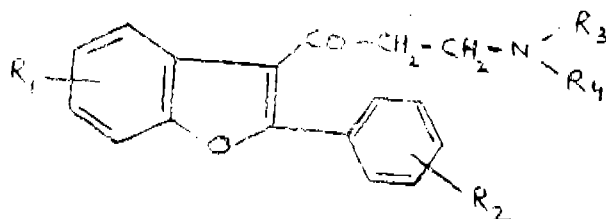
Inventors: (1) DR. WILHELM KAUPMANN, (2) PROF. DR. KLAUS-WOLF VON EICKSTEDT, (3) DR. SALAH-EIDIN RAHMAN.

Application No. 1301/Cal/74 filed June 13, 1974.

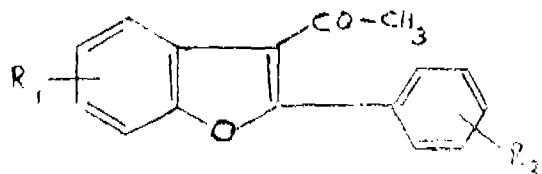
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

12 Claims.

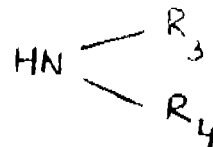
A process for the production of coumarone derivatives of the general formula I.



and their acid addition compounds wherein R₁ signifies a hydrogen or halogen atom or a low molecular weight alkyl radical, R₂ signifies a hydrogen or halogen atom, a low molecular weight alkyl or alkoxy radical, R₃ and R₄ signify low molecular weight alkyl radicals or R₃ and R₄ together with the nitrogen atom form a pyrrolidino, piperidino, hexamethylenimine, morpholino or piperazino radical, which latter radical optionally has a methyl or a β-hydroxyethyl, radical attached to the second nitrogen atom thereof comprising reacting a 2-aryl-3-acetyl-coumarone of the general formula II.



in which R₃ and R₄ are as defined above, with formaldehyde and a secondary amine of the general formula III.



in which R₃ and R₄ are as defined above, in a suitable solvent such as herein described and at an elevated temperature and wherein, if desired the resulting compound is transaminated by a known method in the presence of a solvent such as herein described at elevated temperature with a different secondary amine of the general formula III shown in the drawings where R₃ and R₄ are as defined above, which is different from the first mentioned secondary amine and which, if it is a liquid, may serve as a solvent for the transamination reaction, the acid addition compound being obtained either by conducting the process in the presence of an acid, adding one of the reactants in the form of its acid addition salt or adding the acid to the free base.

CLASS 85J & 130D I.C.-F27b 1/10.

139705.

CUTOFF SYSTEM FOR SOLID AND GAS PROVIDED ON A REDUCING FURNACE OF CONTINUOUS OPERATION.

Applicant : NIPPON STEEL CORPORATION, OF NO. 6-3, 2-CHOME, OTEMACHI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : KENJIRO KANBARA AND SA TORU MIYASITA.

Application No. 1371/Cal/74 filed June 20, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

Cutoff system for solid and gas provided on a reducing furnace of continuous operation, characterized in that one or more treating vessels are provided on the way of exhaust pipe lines for reduced iron which are arranged in parallel series on the bottom portion of a reducing furnace, and on high temperature side of said pipe lines, sealing valves respectively provided with a mechanism for cutting off the grain by means of reciprocating slide plate on upper stage thereof, a cut-off mechanism for atmospheric gas by means of a valve seat provided with gas sealing groove and a turning valve body and a cooling mechanism on lower stage thereof, and on low temperature side of said pipe lines, sealing valves respectively provided with a mechanism for cutting off the grain by means of reciprocating slide plate on upper stage thereof and a cut-off mechanism for atmospheric gas by means of a valve seat provided with sealing packing and a turning valve body on lower stage thereof.

CLASS 40F & 132C. I.C.-B65g 51/00.

139706.

IMPROVEMENTS IN OR RELATING TO WETTING APPARATUS.

Applicant : DEVELOPMENT CONSULTANTS PRIVATE LIMITED, OF 24-B, PARK STREET, P.O. PARK STREET, CALCUTTA-16, STATE OF WEST BENGAL, INDIA.

Inventors : DWIJENDRA LAL NATH, & SUBHAS SINHA.

Application No. 2069/Cal/74 filed September 18, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An improved wetting unit for mixing granular material such as fly ash, with a minimum quantity of water, so that a slurry so formed can conveniently be pumped and conveyed in a pipe line in the act of disposal of the said material, the said wetting unit having for its essential parts—

(i) an inlet section in which fly ash mixed with air enters the unit before being converted into slurry, the said inlet section having a pressure chamber containing water and a plurality of spray nozzles for spraying water in the unit; and

(ii) a mixing section provided below the said inlet section, for the fly ash to get mixed therein with water supplied from the pressure chamber of the inlet section through the plurality of spray nozzles of the said inlet section, to form ash slurry, and the said mixing section is provided with an outlet through which the ash slurry so formed along with the conveying air, finally comes out for being conveyed to the next stage, in the act of disposal of the material.

CLASS 10A+B & 72D. I.C.-F42b 5/00.

139707.

IMPROVEMENTS IN OR TO PYROTECHNIC DEVICES ESPECIALLY FOR SMALL CALIBER CARTRIDGES, WITH MECHANICAL PERCUSSION PRIMERS, AND MEANS FOR THEIR MANUFACTURE.

Applicant : ETAT FRANCAIS, OF 4, AVENUE DE LA PORT D'ISSY 75996-PARIS (FRANCE).

Inventors : ALBERT FINOT. AND LUCIEN CORBIN.

Application No. 1211/Cal/73 filed May 23, 1973.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A casing for small calibre cartridge including an explosive or propellant charge which is fired by a mechanical percussion primer, the casing being divided by a thickened transverse wall into two chamfered chambers one of which being a principal chamber for containing the explosive or propellant charge and a secondary chamber for containing the primer intended to ignite the explosive or propellant charge in which casing a portion of the said transverse wall is partially cut out and deformed and bent so as to form a central protuberance constituting an anvil within the said secondary chamber, the hole left in the transverse wall by the deformed partially cut out portion of the transverse wall constituting a communicating vent between the principal and secondary chambers.

OPPOSITION PROCEEDINGS

An Opposition has been entered by Killick Nixon Limited to the grant of a patent on application No. 138515 made by Metal Engineering & Treatment Co.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

(1)

134228 134381 134936 134995 135004 136404 136405 136406
136407 136408 136409 136410 136411 136412 136413 136414
136416 136417 136418 136419 136422 136423 136424 136427
136428 136429 136430 136431 136432 136433 136434 136435
136436 136437 136439 136440 136441 136442 136443

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84092 85132 91354 105777 109094 109095 109611 113038
114446 115123 119322 120589 120954 121287 122614 133621
134650 136590 136592 136599 136601 136602

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PATENTS SEALED

100377 104449 116291 122149 135806 135812 136407 137024
137123 137195 137293 137330 137444 137449 137523 137531
137547 137558 137589 137679 137680 137694 137702 137706
137708 137709 137710 137715 137719 137724 137729 137731
137736 137755 137757 137762 137772 137775 137779 137782
137783 137784 137798 137828 137843

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.
(PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

105289. M/s. British Medicine & Pharmaceutical Company Private Limited.

134984. Barry Albert Beazley.

PATENTS DEEMED TO BE ENDORSED WITH THE
WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

No. & Title of the invention

114756 (27-2-1968) Froth flotation processes.

130379 (25-2-1971) Treatment of cement raw materials and plants for use therein.

APPLICATION FOR COMPULSORY LICENCE UNDER SECTION 84 OF THE ACT.

An application for the grant of a compulsory licence under patent No. 118879 has been made by Dalal Engineering Ltd., of 36/37, Jolly Maker Chambers II, Nariman Point, Bombay-400021, under Section 84 of the Patents Act, 1970.

PERMISSION TO WORK THE PATENTED INVENTION UNDER SECTION 88 (4).

Permission to work invention of Patent No. 77950 granted to Imperial Chemical Industries Ltd., on the application made by Catalysts and Chemicals India (West Asia) Ltd., filing of which was notified in the Gazette of India, Part III, Section 2, dated 15th May, 1976 has been granted by the decision of the Controller of Patents, dated 4th June, 1976.

RENEWAL FEES PAID

77106 77404 77514 77673 77736 77873 77874 77875 77876
77891 78075 78508 82753 83025 83287 83448 83619 83695
83702 84732 85500 85501 87900 87901 88650 88719 88761
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111130 111131 111169 111198 111206 111320 111341 111373
111377 111401 111467 111482 111596 111612 111630 111636
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116814 116875 116901 116931 116947 117142 117287 117477
117499 117807 117938 118117 121061 121779 121899 121906
121908 121918 121938 122059 122078 122106 122162 122210
122238 122306 122320 122334 122380 122458 122501 122555
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136405 136532 136565 136768 136778 136800 136809 136947
137015 137108 137271 137263 137285 137365 137447 137469
137496 137510 137638 137692 138244 138246 138278

RESTORATION PROCEEDINGS.

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 114343 granted to Newell Associates, Inc., subsequently known as American Videonetics Corporation for an invention relating to "Tape transport apparatus". The patent ceased on

7th June 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th January 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th September 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 114578 granted to Newell Associates, Inc. subsequently known as American Videonetics Corporation for an invention relating to "Tape transport apparatus". The patent ceased on the 17th February 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th September 1975.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th September, 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 116441 granted to Newell Associates, Inc. subsequently known as American Videonetics Corporation for an invention relating to "Tape transport for feeding a pliable length of recorded tape in opposite directions between supply and take-up rolls thereof and prerecorded control tape for same." The patent ceased on the 20th June 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 17th January 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th September 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 132141 granted to Philip Morris Incorporated, for an invention relating to "double edge safety razor embodying flexible blade pressure control". The patent ceased on the 16th July 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 13th March 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th September 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 132636 granted to Neela Arjun Bhagat for an invention relating to "An agitating apparatus". The patent ceased on the 24th August 1975 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 3rd July 1976.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 17th September 1976 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application for restoration of patent No. 130433 dated the 2nd March, 1971 made by Texaco Development Corporation on the 20th August, 1975 and notified in the Gazette of India, Part III, Section 2 dated the 20th September, 1975 has been allowed and the said patent restored.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (DESIGNS).

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration.
141900 M/s. Parvez Engineering Company.

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